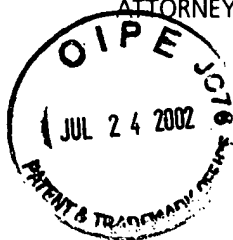


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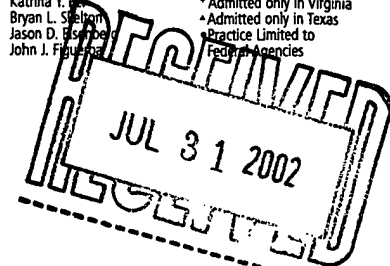
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*Admitted only in Virginia
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July 24, 2002



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Commissioner for Patents
Washington, D.C. 20231

Art Unit 1723

Re: U.S. Utility Patent Application
Appl. No. 10/084,089; Filed: February 28, 2002
For: **Automated Liquid Manufacturing System**
Inventors: Kubiak *et al.*
Our Ref: 0942.2840003

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Information Disclosure Statement;
2. List of cited references on Form PTO-1449; and
3. One (1) Return Postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.



Commissioner for Patents
July 24, 2002
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency,
or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

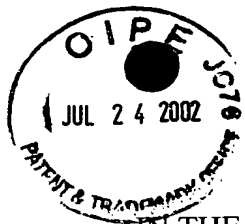
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Edward W. Yee
Attorney for Applicants
Registration No. 47,294

Enclosures

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SKGF Rev. 2/15/02 dcw



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Kubiak *et al.*

Appl. No. 10/084,089

Filed: February 28, 2002

For: **Automated Liquid Manufacturing
System**

Confirmation No. 8471

Art Unit: 1723

Examiner: *To be assigned*

Atty. Docket: 0942.2840003

Information Disclosure Statement

Commissioner for Patents
Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

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This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- ☒ 1. This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
 - ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

- ☐ c. Attached is our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 4. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- ☐ 5. A concise explanation of the relevance of the non-English language document(s) appears below:
- ☒ 6. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. 09/790,623, filed February 23, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

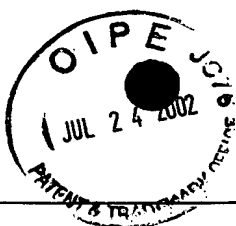
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Date: July 24, 2002

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.2840003	APPLICATION NO. 10/084,089
	APPLICANT Kubiak <i>et al.</i>	
	FILING DATE February 28, 2002	GROUP 1723

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	2,307,509	01/1943	Joachim <i>et al.</i>	259	4	
	AB1	3,692,283	09/1972	Sauer <i>et al.</i>	259	24	
	AC1	3,779,518	12/1973	Koepke <i>et al.</i>	259	18	
	AD1	4,019,983	04/1977	Mandt	210	62	
	AE1	4,051,065	09/1977	Venema	252	359	
	AF1	4,212,545	07/1980	Lovasz <i>et al.</i>	366	152	
	AG1	4,332,483	06/1982	Hope <i>et al.</i>	366	132	
	AH1	4,474,476	10/1984	Thomsen	366	152	
	AI1	4,549,813	10/1985	Volz <i>et al.</i>	366	160	
	AJ1	4,737,349	04/1988	Arnold <i>et al.</i>	422	226	
	AK1	4,869,595	09/1989	Lang	366	137	

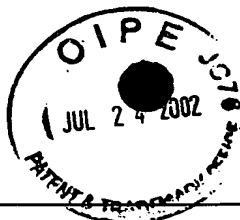
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	0 473 356 A1	03/1992	EP	B01F	5/10	Yes No
	AM1	2 116 058 A	09/1983	UK	B01F	3/08	Yes No
	AN1	42 00 720 A1	07/1993	DE	B01F	3/08	Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	1	Roth, Georg <i>et al.</i> , "An Automated System to Produce Cell Culture Media from Liquid Medium Concentrates," BioPharm, Vol. 8, No. 9, November 1995, pp. 31-35.
AS	1	Jayme, David W. <i>et al.</i> , "Use of Liquid Medium Concentrates to Enhance Biological Productivity," Kluwer Academic Publishers, Animal Cell Technology: Basic & Applied Aspects, Vol. 5, 1993, pp. 215-222.
AT	1	Jayme, David W. <i>et al.</i> , "High Capacity Method for Producing Nutrient Medium from Concentrated Intermediates for Cell Culture Bioproduction Applications," Kluwer Academic Publishers, Animal Cell Technology: Basic & Applied Aspects, Vol. 8, 1997, pp. 599-604.

EXAMINER	DATE CONSIDERED
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.2840003APPLICATION NO.
10/084,089APPLICANT
Kubiak *et al.*FILING DATE
February 28, 2002GROUP
1723

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA2	5,205,647	04/1993	Ricciardi	366	176	
	AB2	5,324,109	06/1994	Johari	366	151	
	AC2	5,331,364	07/1994	Borden	354	324	
	AD2	5,474,931	12/1995	DiSorbo <i>et al.</i>	435	240.31	
	AE2	5,641,410	06/1997	Peltzer	210	739	
	AF2						
	AG2						
	AH2						
	AI2						
	AJ2						
	AK2						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Jayme, David W. <i>et al.</i> , "Continuous High Capacity Reconstitution of Nutrient Media from Concentrated Intermediates," Kluwer Academic Publishers, Cytotechnology, Vol. 22, 1996, pp. 255-261.
	AS	2	Jayme, David W. <i>et al.</i> , "Use of Medium Concentrates to Improve Bioreactor Productivity," Kluwer Academic Publishers, Animal Cell Technology: Basic & Applied Aspects, Proceedings of the Fourth Annual Meeting of the Japanese Association for Animal Cell Technology, Fukuoka, Japan, 13-15 November, 1991, 1992, pp. 143-148.
	AT	2	Copy of International Search Report, issued September 10, 1998, Application No. PCT/US98/10112, 8 pages.

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